

bs-2440R**[Primary Antibody]****Bioss**
ANTIBODIES

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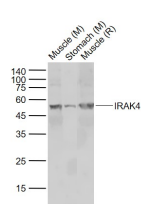
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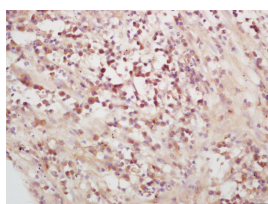
400-901-9800

IRAK4 Rabbit pAb**— DATASHEET —**

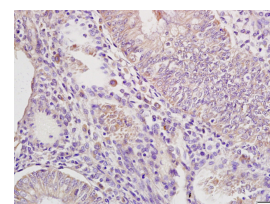
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 51135	SWISS: Q9NWZ3	
Target: IRAK4		
Immunogen: KLH conjugated synthetic peptide derived from human IRAK4: 21-120/460.		Reactivity: Human, Mouse, Rat (predicted: Pig, Sheep, Cow, Dog, Horse)
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 51 kDa
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		Subcellular Location: Cytoplasm
Background: This gene encodes a kinase that activates NF-kappaB in both the Toll-like receptor (TLR) and T-cell receptor (TCR) signaling pathways. The protein is essential for most innate immune responses. Mutations in this gene result in IRAK4 deficiency and recurrent invasive pneumococcal disease. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]		

— VALIDATION IMAGES —

Sample: Lane 1: Muscle (Mouse) Lysate at 40 ug
Lane 2: Stomach (Mouse) Lysate at 40 ug Lane 3:
Muscle (Rat) Lysate at 40 ug Primary: Anti-IRAK4
(bs-2440R) at 1/1000 dilution Secondary:
IRDye800CW Goat Anti-Rabbit IgG at 1/20000
dilution Predicted band size: 51-55 kD Observed
band size: 51 kD



Tissue/cell: human lung carcinoma; 4%
Paraformaldehyde-fixed and paraffin-
embedded; Antigen retrieval: citrate buffer (
0.01M, pH 6.0), Boiling bathing for 15min; Block
endogenous peroxidase by 3% Hydrogen
peroxide for 30min; Blocking buffer (normal goat
serum,C-0005) at 37°C for 20 min; Incubation:
Anti-IRAK4 Polyclonal Antibody,
Unconjugated(bs-2440R) 1:200, overnight at 4°C,
followed by conjugation to the secondary
antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human endometrium carcinoma; 4%
Paraformaldehyde-fixed and paraffin-
embedded; Antigen retrieval: citrate buffer (
0.01M, pH 6.0), Boiling bathing for 15min; Block
endogenous peroxidase by 3% Hydrogen
peroxide for 30min; Blocking buffer (normal goat
serum,C-0005) at 37°C for 20 min; Incubation:
Anti-IRAK4 Polyclonal Antibody,
Unconjugated(bs-2440R) 1:200, overnight at 4°C,
followed by conjugation to the secondary
antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS —

- **[IF=16.988]** Wu Yutong. et al. Osteoclast-Derived Apoptotic Bodies Inhibit Naive Cd8 T Cell Activation via Siglec15 Promoting Breast Cancer Secondary Metastasis. Cell Reports Medicine. 2022 Nov 03 WB,IHC ;Mouse. 37607544
- **[IF=2.939]** Wei S et al. Overexpression of Toll-like receptor 4 enhances LPS-induced inflammatory response and inhibits Salmonella Typhimurium growth in ovine macrophages.(2018) Eur J Cell Biol. WB ;sheep. 30522781
- **[IF=1.936]** Cui Y et al. Loganin prevents BV - 2 microglia cells from Aβ1 - 42 - induced inflammation via regulating TLR4/TRAF6/NF - κB axis.(2019) Cell Biol Int. WB ;Mouse. 30288860

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.